



A MESSAGE FROM DEAN, INNOVATION & INCUBATION AND FOUNDER PRESIDENT GCELI2.



Prof. (Dr.) S Pratap Singh,
Dean, innovation & incubation,
Founder president GCELI2, GCET, Gr. Noida.

According to honourable Dr. APJ Abdul Kalam, “The national innovative capacity is a country’s critical potential to reinforce both its political and economic entity.”

In 2018, Govt. of India launched Institution’s Innovation Council (IIC) program through Ministry of Education (MoE) Innovation Cell (MIC), for Higher Educational Institutions (HEIs), in collaboration with AICTE. In the month of November 2021, management has given me the vital responsibility to establish IIC at Galgotia college of Engineering and Technology, Greater Noida. **Galgotias Centre for Experiential Learning, Innovation and Incubation (GCELI2)** has been established without any time lag on 2nd of November 2021.

As a dean, innovation & incubation cell and founder president GCELI2, GCET, Gr. Noida, I am working with the fullest of conviction and capacity to align indomitable mind of GCETian with the statement at the top. Our prime focus is to develop innovative ecosystem at GCET powered by experiential learning. Thereby, to develop and foster business model based on latest technology, having innovation and scalability as an essential component with highest profit and lowest risk.

The motivation behind the GCELI2 is,

“Innovation needs courage: courage to think different, courage to invent, courage to discover the impossible, courage to combat the problems and succeed.” – By Dr. APJ Abdul Kalam



A MESSAGE FROM DEPUTY DEAN, INNOVATION & INCUBATION AND CO-FOUNDER VICE-PRESIDENT GCELI2.



Dr. Rajneesh Kumar Singh,
Convenor, GCELI2,
Deputy Dean, innovation & incubation,
Co-Founder president GCELI2, GCET, Gr. Noida.

“There is no leader and there are no led. A leader, if one chooses to identify one, has to be a cultivator rather than a manufacturer. He has to provide the soil and the overall climate and environment in which the seed can grow.” – By Dr. Vikram Sarabhai.

As a vice president and convenor, innovation & incubation cell GCELI2, GCET, Gr. Noida. I am working with primary objective of GCELI2 is to foster its members for world class innovation based on experiential learning and to inculcate excellence with in Technocrats, Researchers and Inventors (TRI). In turn, to incubate the Multi Business Model (MBM) under the able flagship and leadership of GCET, Greater Noida.

“The development of the nation is intimately linked with understanding and application of science and technology by its people.” – By Dr. Vikram Sarabhai

About GCELI2:

“Galgotias Centre for Experiential Learning, Innovation and Incubation (GCELI2) has been established with an objective of practicing innovation based on experiential learning, to inculcate excellence with in Technocrats, Researchers and Inventors (TRI) and to incubate the Multi Business Model (MBM).

GCELI2 is being run by a highly efficient multi-member Board which is chaired by Dr. Brijesh Singh, Director, GCET and headed by Dr. S. Pratap Singh President (GCELI2) and Dr. Rajneesh Kumar Singh, Convenor, (GCELI2) under the patronage of Mr. Sunil Galgotia, Chairman and Mr. Dhruv Galgotia, CEO.

GCELI2 has been envisioned to become a world class technology driven incubator and provide a universal platform for research and development for the benefits of budding entrepreneurs, corporate houses & the society at large.

Objectives

1. To establish a laboratory for budding techno-management students to learn, experiment and test their innovative business ideas which could be commercialized.
2. To foster an environment where a sense of creativity, originality and capacity to transform innovative skills & business ideas could be inculcated.
3. To nurture and produce a pool of proficient entrepreneurs in the society.
4. To participate and contribute in Government's initiative for self-employment.
5. To contribute towards the success of 'Make in India' campaign to produce 50 million young entrepreneurs by 2022.

Members of GCELI2 (Faculty), GCET, Gr. Noida.

S No.	Name	Roles	Email ID
1.	Prof. S. P. Singh (EC)	Founder President & Dean Innovation and Incubation	spratap.singh@galgotiacollege.edu
2.	Prof. Rajneesh Kr Singh (MCA)	Vice-President Deputy Dean & Convener	rajneesh.singh@galgotiacollege.edu
3.	Prof. Brijesh Kr Singh (MBA)	Start-up activity & Business Model coordinator	bk.singh@galgotiacollege.edu
4.	Prof. R. N. Dev (EEE)	Business Model & Social Media Coordinator	rajesh.narayandeo@galgotiacollege.edu
5.	Prof. Pankaj Pathania (AS)	Start-up activity coordinator	p.pathania@galgotiacollege.edu
6.	Prof. Gagan Gupta (IT)	Social Media Coordinator	gagan.gupta@galgotiacollege.edu
7.	Prof. Ajeet Bhartee (CS)	Internship coordinator	ajeet.bhartee@galgotiacollege.edu

8.	Prof. Ashish Pandey (EC)	Innovation & IPR activity coordinator	ashish.pandey@galgotiacollege.edu
9.	Prof. Kirti (EC)	Innovation & IPR activity coordinator	kriti@galgotiacollege.edu
10.	Prof. Ankit Krishna Kumar Thakur (EE)	Internship coordinator	ankit.thakur@galgotiacollege.edu

Members of GCELI2 (Student), GCET, Gr. Noida.

S No.	Student Name	Branch
1.	RASHI SRIVASTAVA	CSE
2.	PRAKHAR GUPTA	CSE
3.	SHIVANI SINGH	CSE
4.	STUTI	CSE
5.	NAVEEN DIWEDI	CSE
6.	ISHIKA GUPTA	CSE
7.	SAURABH JAIN	CSE
8.	ARPITA SRIVASTAVA	CSE
9.	DIVYANSHU JAIN	IT
10.	AANSHIK GUPTA	IT
11.	<u>SHIVAM UPADHYAY</u>	EEE
12.	<u>NIHAL SHARMA</u>	EEE
13.	GAGANDEEP SINGH	EE
14.	KANHAIYA MISHRA	EE
15.	ADARSH SINGH	ECE
16.	ASHUTOSH SINGH	ECE
17.	AKSHAY SINGH	ECE
18.	ADARSH SINGH	ECE
19.	ADITI SRIVASTAVA	ECE
20.	JATIN SHRIVASTAVA	ECE
21.	NISHIKA JAIN	ECE
22.	JYOTI YADAV	ECE
23.	NAMAN SINGH	ECE
24.	AKASH JAISWAL	ECE
25.	AZLAN ALI	ECE
26.	ABHIRAJ SINGH	ECE
27.	BHAVYA JAIN	ECE

Faculty Representation:

Faculty representation can be from teaching and non teaching staff. One faculty can have multiple roles in IIC council.

1.1. President: Prof. S Pratap Singh, Dean Innovation & Incubation Cell, Founder President GCELI2, GCET, Gr. Noida

1.1.1 Vice President: Prof. Rajneesh K. Singh, Deputy-Dean Innovation & Incubation Cell, Co-Founder President GCELI2, GCET, Gr. Noida

1.2. Convenor: Prof. Rajneesh K. Singh - Preferably Incubation in charge of institute or Faculty with Entrepreneurship, Experience or Interest.

1.3. Innovation activity coordinator: Prof. Kirti/ Prof. Ashish Pandey

1.4. Start-up activity coordinator: Prof. Rajneesh K. Singh/Prof. Pathania/ Prof. Brijesh K Singh

1.5. Internship coordinator: Prof. Ajit Bharti/ Prof. Ankit Krishna K Thakur

1.6. IPR activity coordinator: Prof. Ashish Pandey/ Prof. Kirti

1.7. Social Media Coordinator: Prof. R N Deo/ Prof. Gagan Gupta

1.8. Business Model Co-coordinator: Prof. Brijesh K Singh/ Prof. R N Deo

Student Representation:

S No.	Student Name	Roles	Branch
1.	RASHI SRIVASTAVA	Innovation activity coordinator	CSE
2.	PRAKHAR GUPTA		CSE
3.	SHIVANI SINGH		CSE
4.	STUTI		CSE
5.	NAVEEN DIWEDI	Start-up activity coordinator	CSE
6.	ISHIKA GUPTA		CSE
7.	SAURABH JAIN		CSE
8.	ARPITA SRIVASTAVA		CSE
9.	DIVYANSHU JAIN	Internship coordinator	IT
10.	AANSHIK GUPTA		IT
11.	SHIVAM UPADHYAY	IPR activity coordinator	EEE
12.	NIHAL SHARMA		EEE
13.	GAGANDEEP SINGH		EE
14.	KANHAIYA MISHRA		EE
15.	ADARSH SINGH	Social Media Coordinator	ECE
16.	ASHUTOSH SINGH		ECE

17.	AKSHAY SINGH	Business Model Co-coordinator	ECE
18.	ADARSH SINGH		ECE
19.	ADITI SRIVASTAVA		ECE
20.	JATIN SHRIVASTAVA		ECE
21.	NISHIKA JAIN		ECE
22.	JYOTI YADAV		ECE
23.	NAMAN SINGH		ECE
24.	AKASH JAISWAL		ECE
25.	AZLAN ALI		ECE
26.	ABHIRAJ SINGH		ECE
27.	BHAVYA JAIN	ECE	

Roles and responsibilities

1.1. President: -

- The President will constitute the IIC council and appoint its members. He/She is responsible for ensuring that Quarterly Council Meeting is planned effectively. Conduct Council Meeting in accordance with prescribed rules and that matters are dealt with in an orderly, efficient manner.
- He/ She will lead the IIC Council.
- He/ She will have the IIC portal Login ID and will be the custodian of IIC portal login and data/ reports uploaded there in.
- He/ She will call the meetings, set meeting agenda and will monitor the deliverable.
- He/ She will be the main point of contact with MHRD Innovation Cell.
- He/ She will respond to all communication from IIC National Coordination team (MHRD Innovation Cell) and will be responsible to ensure decent performance of IIC.
- He/ She will coordinate with MHRD innovation cell and responsible for all the IIC activities in the institute.
- He/ She will ensure Institution's participation in IIC calendar activity and take lead in the institution driven activities (own initiatives).
- He/ She will ensure the effective implementation of IIC activities with the help of Convenor.
- He could change the council members as per the decision taken in council meetings and update the information on portal.

- He/ She will be responsible for submitting the monthly progress/activity reports on the IIC portal.

1.1.1 Vice President:-

- It is an Honorary post for a senior expert representative from Industry/Ecosystem enablers. He/She can be from faculty representative as well in case no experts are available.

1.2. Convenor: -

- The Convenor will work in close coordination with IIC president and will provide help wherever required for smooth conduction of activities.
- He/ She will ensure the participation in the meeting and will prepare the meeting agenda at least 10 days prior to meeting with the inputs from all valuable council members and President.
- He/ She will ensure that the internal examination dates would not interfere with the IIC activities and coordinate with all departments to ensure the same.
- He/ She will collect the inputs from all the members of the council at regular interval, especially external members for better planning of IIC activities and effective delivery of results.

Faculty Member/Faculty representatives/ Non teaching staff: -

Following members will work in close coordination with President and Convenor to develop a comprehensive ecosystem of innovation and synergy in efforts to boost entrepreneurship. They will work as per the responsibilities assigned in council meeting.

1.3. Innovation activity coordinator -

Will work to promote innovation related activities on campus or as mandated in IIC council meeting.

1.4. Start-up activity coordinator -

Will work to boost startup generation among students and related activities or as mandated in IIC council meeting.

1.5. Internship coordinator -

Will work to arrange student internships in startups, so to expose them with startup ecosystem in India, real-life challenges in startup and their success stories or as mandated in IIC council meeting.

1.6. IPR activity coordinator -

To promote awareness about IPRs and conduct related activities on campus or as mandated in IIC council meeting.

1.7. Social Media Coordinator -

Will create and manage IIC page/account on Facebook, Twitter and YouTube and other relevant social media platforms. He / She will be responsible for posting all the relevant information about council meeting resolution and action plan, IIC activities and follow/tag MIC/IIC page and posts on these platforms. He/ She will also ensure that all students follow MIC/IIC page/account on social media to get first-hand information.

Proof of Concept (POC) Brick Wall:

Pre-POC (R & D)	POC (Prototype)	Post-POC (Pilot)
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Criteria to Select a Problem Definition (PD) for Pre-Proof of Concept (POC):

It should include

- ⇒ Why is it important?
- ⇒ What are other people doing? What is lacking?
- ⇒ What is the Contribution?
- ⇒ What are the principal results?
- ⇒ What are the major findings?

Various outcomes of Pre-POC

- ⇒ Molecular Signaling under Different Transmitting Waveform for Applied Deployments
- ⇒ Modeling Molecular Information Reception for Diffusive Molecular Communication
- ⇒ Capacity Analysis of FD-NOMA Under Different Adaptive Schemes
- ⇒ Unified Error Rate of Full Duplex under Relaying
- ⇒ Multirate System for Different DNRs
- ⇒ STFT Based Classification for DNA Sequence

Criteria to Select a Problem Definition (PD) for Proof of Concept (POC):

It should include

- ⇒ Inventive step to the hypothesis
- ⇒ Development to the technology
- ⇒ Novelty to the system
- ⇒ Capability to the industry
- ⇒ Value to the society

Various PD for POC

- ⇒ “Estimation of Safe Duration During Bio Attack”
- ⇒ “Graph Theory based Decease Detection using HGB”
- ⇒ “DNA Identification with GSP”